

## CONTENT

# FILTER TECHNOLOGY

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## Filter accessories

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## FILTER ACCESSORIES

## EBRO BUTTERFLY VALVES



## PRODUCT INFORMATION

Butterfly valves for front control units as manual, electric or pneumatic version, model Z011-AS (Z011-A, from DN 350) for chlorinated pool water. In aluminium with blue lacquering, with seat in Hypalon, differential pressure 3 bar, control pressure 6 bar for flanges to DIN EN 1092 PN 10, without connecting flanges and screwing material.

**ADDITIONAL COSTS FOR VERSIONS RESISTANT TO SEAWATER AND OZONE WATER ON REQUEST.**



### BUTTERFLY VALVE, MANUAL OPERATION

| DESCRIPTION                                      | Size (DN) | ART. NO.      |   |
|--|-----------|---------------|---|
| Manual, with hand lever                          | 50        | ✓ 1971-100-00 | B |
| Manual, with hand lever                          | 65        | ✓ 1971-101-00 | B |
| Manual, with hand lever                          | 80        | ✓ 1971-102-00 | B |
| Manual, with hand lever                          | 100       | ✓ 1971-103-00 | B |
| Manual, with hand lever                          | 125       | ✓ 1971-104-00 | B |
| Manual, with hand lever                          | 150       | ✓ 1971-105-00 | B |
| Manual, with hand lever                          | 200       | ✓ 1971-106-00 | B |
| Manual, with infinitely variable fine adjustment | 250       | ✓ 1971-107-00 | B |
| Manual, with infinitely variable fine adjustment | 300       | ✓ 1971-108-00 | B |
| Manual, with infinitely variable fine adjustment | 350       | ✓ 1971-109-00 | B |

### BUTTERFLY VALVE WITH ELECTRIC ACTUATOR

| DESCRIPTION              | Size (DN) | ART. NO.      |   |
|--------------------------|-----------|---------------|---|
| 230 V/50 Hz, model E 65  | 50        | ✓ 1971-110-00 | B |
| 230 V/50 Hz, model E 65  | 65        | ✓ 1971-111-00 | B |
| 230 V/50 Hz, model E 65  | 80        | ✓ 1971-112-00 | B |
| 230 V/50 Hz, model E 65  | 100       | ✓ 1971-113-00 | B |
| 230 V/50 Hz, model E 65  | 125       | ✓ 1971-114-00 | B |
| 230 V/50 Hz, model E 65  | 150       | ✓ 1971-115-00 | B |
| 230 V/50 Hz, model E 110 | 200       | ✓ 1971-116-00 | B |
| 230 V/50 Hz, model E 110 | 250       | ✓ 1971-117-00 | B |
| 230 V/50 Hz, model E 110 | 300       | ✓ 1971-118-00 | B |



### BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR

| DESCRIPTION         | Size (DN) | ART. NO.      |   |
|---------------------|-----------|---------------|---|
| Double acting EB 4  | 50        | ✓ 1971-120-00 | B |
| Double acting EB 4  | 65        | ✓ 1971-121-00 | B |
| Double acting EB 5  | 80        | ✓ 1971-122-00 | B |
| Double acting EB 5  | 100       | ✓ 1971-123-00 | B |
| Double acting EB 5  | 125       | ✓ 1971-124-00 | B |
| Double acting EB 6  | 150       | ✓ 1971-125-00 | B |
| Double acting EB 6  | 200       | ✓ 1971-126-00 | B |
| Double acting EB 8  | 250       | ✓ 1971-127-00 | B |
| Double acting EB 8  | 300       | ✓ 1971-128-00 | B |
| Double acting EB 10 | 350       | ✓ 1971-129-00 | B |

## BUTTERFLY VALVE WITH PNEUMATIC ACTUATOR

| DESCRIPTION               | Size (DN) | ART. NO.    |   |
|---------------------------|-----------|-------------|---|
| Spring closing EB 5 / FS  | 50        | 1971-130-00 | B |
| Spring closing EB 5 / FS  | 65        | 1971-131-00 | B |
| Spring closing EB 5 / FS  | 80        | 1971-132-00 | B |
| Spring closing EB 6 / FS  | 100       | 1971-133-00 | B |
| Spring closing EB 6 / FS  | 125       | 1971-134-00 | B |
| Spring closing EB 6 / FS  | 150       | 1971-135-00 | B |
| Spring closing EB 10 / FS | 200       | 1971-136-00 | B |
| Spring closing EB 10 / FS | 250       | 1971-137-00 | B |
| Spring closing EB 10 / FS | 300       | 1971-138-00 | B |
| Spring closing EB 12 / FS | 350       | 1971-139-00 | B |

## ACCESSORIES

| DESCRIPTION   | ART. NO.   |             |   |
|---|--|-------------|---|
| <b>ACCESSORIES FOR PNEUMATIC ACTUATORS SINGLE ACTING AND DUAL ACTING</b>  |  |             |   |
|    | 2-way solenoid valve for a pneumatic control of rotary drives  | 2590-001-00 | B |
|   | Dust cover G 1/4" male thread for solenoid valve   | 2580-018-00 | B |
|   | Connection cable with safety connector 24 V for solenoid valve   | 2590-010-00 | B |
|   | Switch box for automatic swivel drive, IP 65 with 2 micro-switches and terminal block. Not required in case of drive via dinotecNET+   | 1971-055-00 | Z |
| <b>COMPRESSOR SYSTEM FOR A PNEUMATIC VALVE CONTROL, WITH COMPRESSED AIR RESERVOIR</b>   |  |             |   |
|    | Piston compressor system P 1 LR <ul style="list-style-type: none"> <li>• Complete with steam trap and elastic mounting incl. high-pressure hose</li> <li>• Maximum pressure 10 bar volume flow (suction capacity 130 l/min)</li> <li>• Compressed air tank 18l</li> <li>• Nominal capacity: 0.65 kW</li> </ul> | 1971-189-00 | Z |
|   | Sound-proof hood for piston compressor L 1 PR  | 1971-193-00 | Z |
| <b>ACCESSORIES FOR COMPRESSOR SBDL 125 WITH COMPRESSED AIR TANK 90</b>  |  |             |   |
| Consisting of <ul style="list-style-type: none"> <li>• Pneumatic hose, PE 8/6 mm blue, T-piece, pneumatic, plug connector with o-ring, filter regulator 1/4" for compressed air filter</li> <li>• For use with EBRO pneumatic valves</li> </ul> |  |             |   |
|   | 2580-101-91  | B           |   |

## INFO

### PRODUCT INFORMATION

Additional costs for versions resistant to seawater and ozone water on request.

## FILTER ACCESSORIES

# AUTOMATIC BACKWASH VALVES - 5-WAY VALVES



## PRODUCT INFORMATION

Besgo automatic backwash valves made of PVC-U with hydraulic drive system, can be operated with water or air.

These automatic backwash valves are characterised by a high operational safety, they switch over without switching off. Adjustable fittings allow an adaptation to any filter. There are only minor pressure losses.

The inner parts of the automatic backwash valves are made of stainless steel (V4A), gaskets are ozone resistant (Viton/PTFE). Further equipment includes a solenoid valve with emergency manual override as well as cemented nozzles, sizes DN 40 to DN 125., that can be attached from outside.



| Model           | Center line tank connection (mm) | ProFil S, VITALIA comfort                      | Senator S                          | Comfort XL | de Luxe          | Public     | ART. NO.    |   |
|-----------------|----------------------------------|--|------------------------------------|------------|------------------|------------|-------------|---|
| DN 40/d 50 mm   | 125                              | 500, 610<br>VITALIA<br>500S<br>VITALIA<br>650S | 610 (until<br>Q2/ 2019)<br>510     |            |                  |            | 0960-165-00 | D |
| DN 40/d 50 mm   | 130                              |  |                                    |            |                  |            | 0960-165-01 | D |
| DN 40/d 50 mm   | 140                              |  |                                    |            |                  |            | 0960-165-02 | D |
| DN 40/d 50 mm   | 145                              |  |                                    |            |                  |            | 0960-165-03 | D |
| DN 40/d 50 mm   | 152                              |  |                                    |            |                  |            | 0960-165-04 | D |
| DN 40/d 50 mm   | 190                              |  |                                    |            |                  |            | 0960-165-05 | D |
| DN 40/d 50 mm   | 230                              |  |                                    |            |                  |            | 0960-165-06 | D |
| DN 50/d 63 mm   | 190                              | 765, 910                                       | 610 (from<br>Q2/ 2019)<br>765, 910 | 765, 910   | 610, 765,<br>910 |            | 0960-166-00 | D |
| DN 50/d 63 mm   | 140                              |  |                                    |            |                  |            | 0960-166-01 | D |
| DN 50/d 63 mm   | 152                              |  |                                    |            |                  |            | 0960-166-02 | D |
| DN 50/d 63 mm   | 170                              |  |                                    |            |                  |            | 0960-166-03 | D |
| DN 50/d 63 mm   | 220                              | VITALIA<br>652S, 750S,<br>900S                 |                                    |            |                  |            | 0960-166-05 | D |
| DN 50/d 63 mm   | 230                              |  |                                    |            |                  |            | 0960-166-04 | D |
| DN 65/d 75 mm   | 250*                             |  |                                    |            |                  |            | 0960-167-00 | D |
| DN 80/d 90 mm   | 300*                             |  |                                    | 1080, 1250 | 1080             | 610, 765   | 0960-163-00 | D |
| DN 100/d 110 mm | 360*                             |  |                                    | 1400       | 1400             | 910        | 0960-162-00 | D |
| DN 125/d 140 mm | WP                               | 450*   |                                    | 1600       |                  | 1080, 1250 | 0960-164-00 | D |
| DN 125/d 140 mm | AP                               | 450*   |                                    | 1600       |                  | 1080, 1250 | 0960-164-01 | D |

## INFO

### PRODUCT INFORMATION

In case of filter tank Comfort XL with nozzle plate, the tank connections must be adapted to the Besgo valve.

All Besgo valves can optionally be operated with water or air pressure. A distinction in this respect is only made for DN 125.

\* Wall mounting

WP = Water pressure

AP = Air pressure

## INFO

### TECHNICAL INFORMATION

Operate the Besgo valves with compressed air generated by a whisper compressor.

In this way you are independent of the system pressure in the drinking water pipe and you avoid standing water in the drinking water system.





## FILTER ACCESSORIES

**AUTOMATIC MULTIPOINT VALVES**

Automatic multipoint valves for alternative applications



| Model           | Number of ways | Application areas  | ART. NO.                                |             |   |
|-----------------|----------------|--|---|-------------|---|
| DN 40/d 50 mm   | 4              | 3-way valve,<br>amongst others for rinsing,<br>as well as gutter shutoff | 0960-168-00                             | D           |   |
| DN 40/d 50 mm   | 3              |  | 0960-169-00                             | D           |   |
| DN 50/d 63 mm   | 3              |  | 0960-170-00                             | D           |   |
| DN 65/d 75 mm   | 3              |  | 0960-171-00                             | D           |   |
| DN 80/d 90 mm   | 3              |  | 0960-172-00                             | D           |   |
| DN 100/d 110 mm | 3              |  | 0960-173-00                             | D           |   |
| DN 125/d 140 mm | WP 3           |  | 0960-174-00                             | D           |   |
| DN 125/d 140 mm | AP 3           |  | 0960-174-01                             | D           |   |
| DN 40/d 50 mm   | 2              |  | 2-way valve,<br>e.g. for gutter shutoff | 0960-175-00 | D |
| DN 50/d 63 mm   | 2              |  |   | 0960-176-00 | D |

| DESCRIPTION  | ART. NO.    |   |
|--|-------------|---|
|  <p><b>INSTALLATION KIT FOR CONTROL OF WATER PRESSURE</b></p> <p>Installation kit 3/8" for control of the water pressure, consisting of a pressure gauge 0-10 bar, non-return valve, fine filter and a shut-off valve</p>   | 0960-178-00 | D |
|  <p><b>COMPRESSOR SIL-AIR 30D</b></p> <p><b>Silent compressor for operation of Besgo valves</b><br/>This compressor requires a supply voltage of 230V. It works with a maximum permissible operating pressure of 8 bar, and has a tank capacity of 4l.<br/>Low-noise operation at 40 dB.<br/>For use in all systems.</p>   | 1971-171-00 | D |
|  <p><b>COMPRESSOR</b></p> <p><b>For operation of Besgo valves</b></p> <ul style="list-style-type: none"> <li>• Capacity: 0.5 kW</li> <li>• Voltage: 230 V</li> <li>• Tank capacity: 6</li> <li>• Pressure: 8 bar</li> <li>• Oil-free</li> <li>• For low-noise operation 57dba</li> </ul>  | 1971-232-00 | D |
| <p><b>AUTOMATIC CONDENSATE TRAP WITH PRE-FILTER 1/2"</b></p> <p><b>Mandatory when operating the Createx compressor.</b><br/>The outlet is used to separate condensate from the air system of your compressor. The outlet is activated by an internal magnetic wheel which periodically opens the relief valve. These intervals can be set via a button on the timer panel. Outlet with test button for testing the set function.</p> <ul style="list-style-type: none"> <li>• Voltage supply 230 V</li> <li>• Power 0,6 W</li> </ul> | 0960-205-00 | B |
|  <p><b>ACCESSORIES FOR COMPRESSOR</b></p> <p>Air connection kit for compressor, consisting of ball valve, connection fitting, distribution and 10 m PE pressure hose</p>  |             |   |
| Connection kit 1 for 1 Besgo valve   | 0960-189-00 | D |
| Connection kit 2 for 2 Besgo valves  | 0960-190-00 | D |
| Connection kit 3 for 3 Besgo valves  | 0960-191-00 | D |

## FILTER ACCESSORIES

## SURGE TANKS



## PRODUCT INFORMATION

Balance and splash water tanks for a level control in swimming pools with overflow gutter. Tank in polyethylene (colour: natural) with maintenance port and steel bands for stabilization. Individual flange connections on tank according to your specifications. In case of several tanks, one tank is used as control tank and the others are used as additional tank for splash water.

### Equipment:

|                  |        |
|------------------|--------|
| Inlet:           | DN 125 |
| Safety overflow: | DN 125 |
| Suction line:    | DN 80  |
| Tank emptying:   | DN 50  |



| Tank nominal volume (t) | Length (mm) | Width (mm) | Height (mm) | Empty weight approx. (kg) | Manhole | ART. NO.    |   |
|-------------------------|-------------|------------|-------------|---------------------------|---------|-------------|---|
| 1500                    | 1500        | 730        | 1660        | 100                       | incl.   | 1971-200-10 | D |
| 2000                    | 2000        | 730        | 1660        | 125                       | incl.   | 1971-201-10 | D |
| 2500                    | 2140        | 870        | 1660        | 150                       | incl.   | 1971-202-10 | D |
| 3000                    | 2390        | 850        | 1980        | 175                       | incl.   | 1971-203-10 | D |
| 5000                    | 2390        | 1350       | 1980        | 255                       | incl.   | 1971-204-10 | D |

## FILTER ACCESSORIES

## ADDITIONAL TANKS



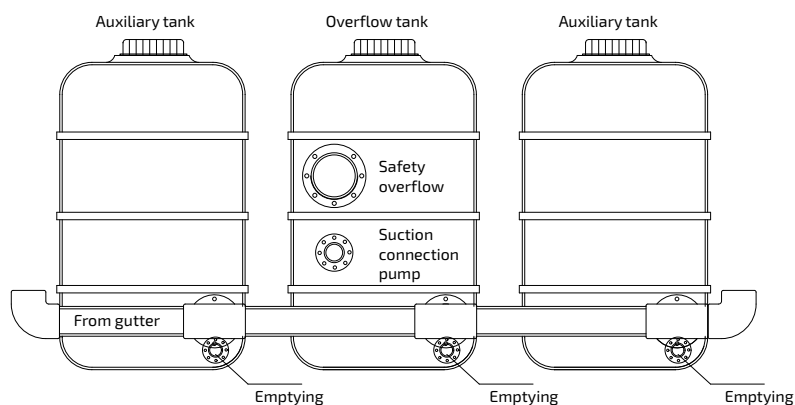
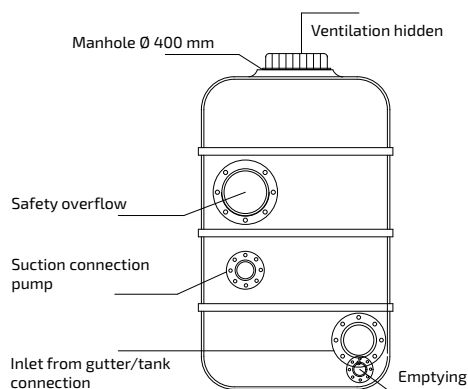
## PRODUCT INFORMATION

### Equipment:

|                  |        |
|------------------|--------|
| Tank connection: | DN 125 |
| Tank emptying:   | DN 50  |



| Tank nominal volume (t) | Length (mm) | Width (mm) | Height (mm) | Empty weight approx. (kg) | Manhole | ART. NO.    |   |
|-------------------------|-------------|------------|-------------|---------------------------|---------|-------------|---|
| 1500                    | 1500        | 730        | 1660        | 100                       | incl.   | 1971-200-20 | D |
| 2000                    | 2000        | 730        | 1660        | 125                       | incl.   | 1971-201-20 | D |
| 2500                    | 2140        | 870        | 1660        | 150                       | incl.   | 1971-202-20 | D |
| 3000                    | 2390        | 850        | 1980        | 175                       | incl.   | 1971-203-20 | D |
| 5000                    | 2390        | 1350       | 1980        | 255                       | incl.   | 1971-204-20 | D |



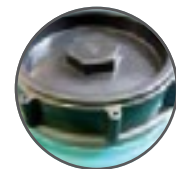
# CFTANK

Water tank

CFTank 



Draining









Filling



## PRODUCT INFORMATION

A brilliant concept - as buffer storage during pool repairs or as rainwater storage tank.

- + From 1 to 30 m<sup>3</sup>
- + Made of 100% recyclable material
- + Weight per square meter 900 g
- + Resistant from -30°C to +70°C
- + Colour: green RAL6026

| Volume (l)  | Dimensions (L x W x H) in m | Weight empty (kg) | ART. NO.  |   |
|---|-----------------------------|-------------------|---|---|
| 1,000   | 2.45 x 1.46 x 0.50          | 10                |  <b>AQ102626</b>   | D |
| 5,000   | 3.35 x 2.93 x 0.80          | 25                |  <b>AQ102627</b>   | D |
| 10,000  | 5.50 x 2.93 x 0.90          | 35                |  <b>AQ102628</b>   | D |
| 30,000  | 6.25 x 5.92 x 1.20          | 70                |  <b>AQ102629</b>   | D |
| <b>CONNECTION KIT 1</b>   |                             |                   |  <b>AQ102943</b>   | D |
| <u>Consisting of:</u>   |                             |                   |   |   |
| <ul style="list-style-type: none"> <li>• Water collector with filter for connection to the gutter</li> <li>• Water supply: 4 meter reinforced hose Ø 40 mm</li> <li>• Set with inlet and outlet connection and all necessary adapters</li> </ul>  |                             |                   |   |   |
| <b>CONNECTION KIT 2</b>   |                             |                   |  <b>AQ102944</b> | D |
| <u>Consisting of:</u>   |                             |                   |   |   |
| <ul style="list-style-type: none"> <li>• Water collector with filter for connection to the gutter</li> <li>• Water supply: 4 meter reinforced hose Ø 40 mm</li> <li>• Set with inlet and outlet connection and all necessary adapters</li> <li>• 1 electric pump with connection suitable for Gardena</li> <li>• 1 control part for pump</li> <li>• Electronic protection against dry running</li> <li>• 4 meter connecting hose to pump 32 mm Ø</li> </ul> |                             |                   |   |   |







## CONTENT

# FILTER TECHNOLOGY

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## Filter pumps


P. 100 VITALIA premium

P. 101 VITALIA comfort

P. 102 Filter pumps

P. 103 Allround series

P. 104 Premium series



Filter pump technology that inspires in respect of performance, quality and design. Starting from entry-level private pools in the garden to large public installations.

# FILTER PUMPS

## VITALIA premium



### PRODUCT INFORMATION

- + Optimized hydraulics: efficient and quiet.
- + Transparent pre-filter cover with built-in LED lighting.
- + Specifications and selection of components are based on the extensive experience of our development department.
- + Manual mounting. All products are electrically and hydraulically tested.
- + Wide range of single and three-phase models.
- + **Self-priming**

- The entire range is supplied with union fittings to be glued. Diameter 63 mm.
- The 7 and 10 m<sup>3</sup>/h models are supplied with a 63/50 mm reducer.
- Pump strainer basket with foolproof indicator without handle.
- Turbine screwed on (depending on power rating) with stainless steel insert. No metal parts on waterproof plate to avoid corrosion.
- Bearing classification: 2 RS6202 or 6204, depending on model.
- Thermal circuit-breaker built into the winding (auto reset based on the motor's real internal temperature).
- P2 condenser.
- Energy efficiency rating for three-phase motor: IE3.
- Saltwater resistant up to 5 g/l (corresponds to 0.5. %).



#### VITALIA premium AC

- 1-phase
- 230V / 50Hz

| Model               | Pump capacity in m <sup>3</sup> /h at 10m WC | P1 (kW) | P2 (kW) | Current consumption (A) | ART. NO.  |   |
|---------------------|--|---------|---------|-------------------------|-----------|---|
| VITALIA premium 7W  | 7  | 0.58    | 0.30    | 2.6                     | PREMIUM7  | E |
| VITALIA premium 10W | 10   | 0.69    | 0.45    | 3.2                     | PREMIUM10 | E |
| VITALIA premium 13W | 13   | 0.97    | 0.65    | 4.7                     | PREMIUM13 | E |
| VITALIA premium 17W | 17   | 1.2     | 0.80    | 5.3                     | PREMIUM17 | E |
| VITALIA premium 21W | 21   | 1.45    | 1.00    | 6.4                     | PREMIUM21 | E |
| VITALIA premium 26W | 26   | 1.7     | 1.30    | 7.4                     | PREMIUM26 | E |
| VITALIA premium 29W | 29   | 2       | 1.50    | 8.8                     | PREMIUM29 | E |



#### VITALIA premium three-phase

- 3-phase
- 400V / 50Hz

| Model               | Pump capacity in m <sup>3</sup> /h at 10m WC | P1 (kW) | P2 (kW) | Current consumption (A) | ART. NO.   |   |
|---------------------|--|---------|---------|-------------------------|------------|---|
| VITALIA premium 7D  | 7  | 0.55    | 0.30    | 1                       | PREMIUM7T  | E |
| VITALIA premium 10D | 10   | 0.68    | 0.45    | 1.25                    | PREMIUM10T | E |
| VITALIA premium 13D | 13   | 0.95    | 0.65    | 1.75                    | PREMIUM13T | E |
| VITALIA premium 17D | 17   | 1.1     | 0.80    | 2.1                     | PREMIUM17T | E |
| VITALIA premium 21D | 21   | 1.32    | 1.00    | 2.9                     | PREMIUM21T | E |
| VITALIA premium 26D | 26   | 1.65    | 1.30    | 3.2                     | PREMIUM26T | E |
| VITALIA premium 29D | 29   | 1.77    | 1.50    | 3.3                     | PREMIUM29T | E |



#### VITALIA premium VS

- Variable speeds 1000 - 2850 rpm

| Model               | Power supply (V/Hz) | Pump capacity in m <sup>3</sup> /h at 10m WC | P1 (kW)     | P2 (kW)     | Current consumption (A) | ART. NO.   |   |
|---------------------|---------------------|--|-------------|-------------|-------------------------|------------|---|
| VITALIA premium VS1 | 1-phase, 230V 50Hz  | 19   | 0.06 - 1.10 | 0.03 - 0.75 | 0.45 - 5.00             | PREMIUMVS1 | E |
| VITALIA premium VS2 | 1-phase, 230V 50Hz  | 23   | 0.08 - 1.40 | 0.04 - 1.10 | 0.50 - 6.10             | PREMIUMVS2 | E |

# FILTER PUMPS

## VITALIA comfort

**VITALIA**  
Comfort



### PRODUCT INFORMATION

- + 2" tapped inlet/outlet for optimized water conditions.
- + Compact and silent.
- + EagleBurgmann™ mechanical seal.
- + Supplied with 50 mm or 63 mm union fittings, depending on model.
- + **Self-priming**



- Transparent pre-filter cover with quick release ¼ rotating opening.
- Double drain plugs for easier winterizing: pre-filter and pump casing.
- Basket capacity: 2 liters.
- Spindle in 316 stainless steel (V4A).
- Pump casing and cover flange in fiber-glass reinforced polypropylene. 30% fiberglass.
- Turbine in reinforced polypropylene. 20% fiberglass.
- Efficiency level class IE3 for the triple-phase compliant with European directive 2019-1781 EU.



#### VITALIA comfort AC

- 1-phase
- 230V / 50Hz

| Model               | Pump capacity in m³/h at 10m WC | P1 (kW) | P2 (kW) | Current consumption (A) | ART. NO. |   |
|---------------------|---------------------------------|---------|---------|-------------------------|----------|---|
| VITALIA comfort 9W  | 8.5                             | 0.68    | 0.37    | 3.1                     | COMF9    | E |
| VITALIA comfort 13W | 13.1                            | 0.95    | 0.55    | 5.3                     | COMF13   | E |
| VITALIA comfort 15W | 15.2                            | 1.15    | 0.75    | 5.3                     | COMF15   | E |
| VITALIA comfort 18W | 17.5                            | 1.7     | 1.1     | 7.2                     | COMF18   | E |
| VITALIA comfort 21W | 20.1                            | 2.1     | 1.5     | 9.4                     | COMF21   | E |
| VITALIA comfort 28W | 27                              | 2.6     | 2.2     | 1.3                     | COMF28   | E |



#### VITALIA comfort three-phase

- 3-phase
- 400V / 50Hz
- The 400 V motors comply with energy efficiency class IE3

| Model               | Pump capacity in m³/h at 10m WC | P1 (kW) | P2 (kW) | Current consumption (A) | ART. NO. |   |
|---------------------|---------------------------------|---------|---------|-------------------------|----------|---|
| VITALIA comfort 15D | 16.1                            | 1.15    | 0.75    | 2                       | COMF15T  | E |
| VITALIA comfort 18D | 18                              | 1.6     | 1.1     | 3                       | COMF18T  | E |
| VITALIA comfort 21D | 21.2                            | 2       | 1.5     | 3.7                     | COMF21T  | E |
| VITALIA comfort 28D | 28.5                            | 2.6     | 2.2     | 4.8                     | COMF28T  | E |



#### VITALIA comfort VS

- Variable speeds 1000 - 2850 rpm

| Model               | Power supply (V/Hz)    | Pump capacity in m³/h at 10m WC | P1 (kW) | P2 (kW) | Current consumption (A) | ART. NO. |   |
|---------------------|------------------------|---------------------------------|---------|---------|-------------------------|----------|---|
| VITALIA comfort VS1 | 1-phase, 230V 50Hz     | 22                              | 1.7     | 1.1     | 7.2                     | COMFVS01 | E |
| VITALIA comfort VS2 | 3-phase, 230/400V 50Hz | 30                              | 2.6     | 2.2     | 4.8                     | COMFVS02 | E |

# FILTER PUMPS

## FILTER PUMPS



DESCRIPTION

ART. NO.



**CIRCULATION PUMP SPS**

Circulation pump with connecting cable and hose nozzles 32/38 mm  
Image: SPS 25

| Model                     | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO. |   |
|---------------------------|----------------------|---------|----------------|---------------------------|----------|---|
| SPS 25 (non-self-priming) | 4                    | 8       | 230 / 50       | 0.20                      | 2260148  | D |
| SPS 75 (self-priming)     | 6                    | 8       | 230 / 50       | 0.45                      | 2260149  | D |



**AQUA TECHNIK AQUA PLUS**

Connection: hose clip 38/32 mm Ø with 1.5 m cable and plug

| Model        | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO. |   |
|--------------|----------------------|---------|----------------|---------------------------|----------|---|
| Aqua PLUS 4  | 6                    | 5       | 230 / 50       | 0.35                      | 45991100 | F |
| Aqua PLUS 6  | 7.5                  | 5       | 230 / 50       | 0.45                      | 45991200 | F |
| Aqua PLUS 8  | 10.5                 | 5       | 230 / 50       | 0.60                      | 45991300 | F |
| Aqua PLUS 11 | 13.5                 | 5       | 230 / 50       | 0.69                      | 45991800 | F |



**AQUA TECHNIK AQUA MAXI**

Connection: glue socket suction side d-63 mm Ø, pressure side d-50 mm Ø with 1.5 m cable and plug

| Model        | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO. |   |
|--------------|----------------------|---------|----------------|---------------------------|----------|---|
| Aqua MAXI 5  | 9                    | 8       | 230 / 50       | 0.56                      | 45991400 | F |
| Aqua MAXI 10 | 10                   | 8       | 230 / 50       | 0.67                      | 45991500 | F |
| Aqua MAXI 16 | 16                   | 8       | 230 / 50       | 0.95                      | 45991600 | F |
| Aqua MAXI 22 | 22                   | 8       | 230 / 50       | 1.20                      | 45991700 | F |



**SWIM-TEC TREND**

Inexpensive self-priming pump with cable and plug.

| Model    | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|----------|----------------------|---------|----------------|---------------------------|-------------|---|
| Trend 50 | 5                    | 6       | 230 / 50       | 0.35                      | UP300003240 | E |
| Trend 70 | 7                    | 6       | 230 / 50       | 0.45                      | UP300003250 | E |
| Trend 90 | 9                    | 6       | 230 / 50       | 0.60                      | UP300003260 | E |



**SWIM-TEC SUPER PUMP PREMIUM**

Powerful self-priming pump with screw connection.

| Model         | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|---------------|----------------------|---------|----------------|---------------------------|-------------|---|
| Super Pump 6  | 6                    | 8       | 230 / 50       | 0.45                      | UP300005571 | E |
| Super Pump 8  | 8                    | 8       | 230 / 50       | 0.58                      | UP300005541 | E |
| Super Pump 12 | 12                   | 8       | 230 / 50       | 0.69                      | UP300005551 | E |
| Super Pump 15 | 15                   | 8       | 230 / 50       | 0.97                      | UP300005561 | E |

## FILTER PUMPS





## ALLROUND SERIES

BADU filter pumps



Powerful filter pumps in proven quality.

All filter pumps of the BADU Allround series are supplied with 3.5 m cable and plug.

| DESCRIPTION  |                                   | ART. NO. |                |                           |             |   |
|--|-----------------------------------|----------|----------------|---------------------------|-------------|---|
|  <p><b>BADU Picco II</b></p> <p>Small - energy-efficient - good value! At the same time a full-featured, self-priming circulation pump in BADU quality. Delivery includes 3.5 m cable and plug.</p>   |                                   |          |                |                           |             |   |
| Model  | Pump capacity (m <sup>3</sup> /h) | At m/WC  | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
| Picco II 5   | 5                                 |          | 230 / 50       | 0.20                      | UP300100689 | E |
|  <p><b>BADU Magic II</b></p> <p>Circulation pump, self-priming<br/>Swimming pool water circulation in filter systems, can be mounted max. 2 m above or max. 3 m below the water level.<br/>Connection: with hose fitting and collar bushes, 3.5 m cable and plug</p>  |                                   |          |                |                           |             |   |
| Model  | Pump capacity (m <sup>3</sup> /h) | At m/WC  | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
| Magic II 4   | 4                                 | 8        | 230 / 50       | 0.35                      | 3800206     | F |
| Magic II 6   | 6                                 | 8        | 230 / 50       | 0.45                      | 45992200    | F |
| Magic II 8   | 8                                 | 8        | 230 / 50       | 0.60                      | 45992300    | F |
| Magic II 11  | 11                                | 8        | 230 / 50       | 0.69                      | 45992400    | F |
|  <p><b>BADU TOP II</b></p> <p>Circulation pump, self-priming<br/>Swimming pool water circulation in filter systems, can be mounted above or below the water level (max. 3 m each).<br/>Connection suction side 2" female, pressure side 1 1/2" female, delivery includes 3.5 m cable and plug</p>   |                                   |          |                |                           |             |   |
| Model  | Pump capacity (m <sup>3</sup> /h) | At m/WC  | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
| BADU TOP II 8  | 9                                 | 7        | 230 / 50       | 0.58                      | 45992500    | D |
| BADU TOP II 12   | 12                                | 7        | 230 / 50       | 0.69                      | 45992600    | D |
| BADU TOP II 14   | 15                                | 7        | 230 / 50       | 0.79                      | 45992700    | D |
|  <p><b>BADU EcoTouch Pro II</b></p> <p>Circulation pump, self-priming<br/>An interface allows an external drive via time switch or a facility management system. The rotation speed is adjusted via a control panel. There are 3 programmable operating points between 1000-2850 rpm, controlled via potential-free contacts.<br/><b>Speeds: 1000--2850 rpm</b></p> |                                   |          |                |                           |             |   |
| Model  | Pump capacity (m <sup>3</sup> /h) | At m/WC  | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
| BADU EcoTouch Pro II   | up to 17                          | 10       | 230 / 50       | 0.08 - 1.05               | 45992822    | D |





# FILTER PUMPS PREMIUM SERIES

BADU filter pumps



BADU filter pumps, Premium series, come with a 5 year warranty.  
All filter pumps of the BADU Premium series are supplied excluding cable and plug.

| DESCRIPTION | ART. NO. |
|-------------|----------|
|-------------|----------|



**Magna**

Circulation pump, self-priming  
Swimming pool water circulation pump, self-priming, can be mounted above and below the water level (max. 3 m in each case). Connection suction side 2" female, pressure side 1½" female, incl. practical aid to open the transparent cover, motor with protective paint

| Model    | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.        |
|----------|----------------------|---------|----------------|---------------------------|-----------------|
| Magna 8  | 9                    | 7       | 230 / 50       | 0.58                      | 🏠 0980-460-05 D |
| Magna 12 | 12                   | 7       | 230 / 50       | 0.69                      | 🏠 0980-461-05 D |
| Magna 14 | 15                   | 7       | 230 / 50       | 0.79                      | 🏠 0980-462-05 D |



**BADU Prime**

Circulation pump, self-priming  
Can be mounted above or below the water level (max. 3m in each case),  
**A top model in every respect:**  
Made of glass-fibre reinforced material for a very wide application range of 7-20 m³/h. These pumps meet the highest demands due to best quality and workmanship and a very low noise level.

| Model           | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.        |
|-----------------|----------------------|---------|----------------|---------------------------|-----------------|
| BADU Prime 7 W  | 8                    | 7       | 230 / 50       | 0.50                      | 🏠 0980-422-05 D |
| BADU Prime 7 D  | 8                    | 7       | 230/400 / 50   | 0.44                      | 🏠 0980-423-05 D |
| BADU Prime 11 W | 12                   | 7       | 230 / 50       | 0.69                      | 🏠 0980-424-05 D |
| BADU Prime 11 D | 12                   | 7       | 230/400 / 50   | 0.66                      | 🏠 0980-425-05 D |
| BADU Prime 13 W | 15                   | 7       | 230 / 50       | 0.85                      | 🏠 0980-426-05 D |
| BADU Prime 13 D | 15                   | 7       | 230/400 / 50   | 0.75                      | 🏠 0980-426-55 D |
| BADU Prime 15 W | 15                   | 10      | 230 / 50       | 1.10                      | 🏠 0980-427-05 D |
| BADU Prime 15 D | 15                   | 10      | 230/400 / 50   | 1.00                      | 🏠 0980-428-05 D |
| BADU Prime 20 W | 20                   | 7       | 230 / 50       | 1.40                      | 🏠 0980-429-05 D |
| BADU Prime 20 D | 20                   | 7       | 230/400 / 50   | 1.32                      | 🏠 0980-430-05 D |



**BADU Prime**

Circulation pump, self-priming  
Can be mounted above or below the water level (max. 3m in each case),  
**A top model in every respect:**  
Made of glass-fibre reinforced material for a very wide application range of 25-48 m³/h. These pumps meet the highest demands due to best quality and workmanship and a very low noise level.

| Model         | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.        |
|---------------|----------------------|---------|----------------|---------------------------|-----------------|
| BADU Prime 25 | 22.5                 | 10      | 230 / 50       | 1.85                      | 🏠 0980-560-05 D |
| BADU Prime 25 | 22.5                 | 10      | 400 / 50       | 1.65                      | 🏠 0980-560-55 D |
| BADU Prime 30 | 32                   | 7       | 230 / 50       | 2.00                      | 🏠 0980-561-05 D |
| BADU Prime 30 | 32                   | 7       | 400 / 50       | 1.90                      | 🏠 0980-561-55 D |
| BADU Prime 40 | 42                   | 8       | 230 / 50       | 2.90                      | 🏠 0980-562-05 D |
| BADU Prime 40 | 42                   | 8       | 400 / 50       | 2.70                      | 🏠 0980-562-55 D |
| BADU Prime 48 | 49                   | 8       | 230 / 50       | 3.45                      | 🏠 0980-563-05 D |
| BADU Prime 48 | 49                   | 8       | 400 / 50       | 3.30                      | 🏠 0980-563-55 D |

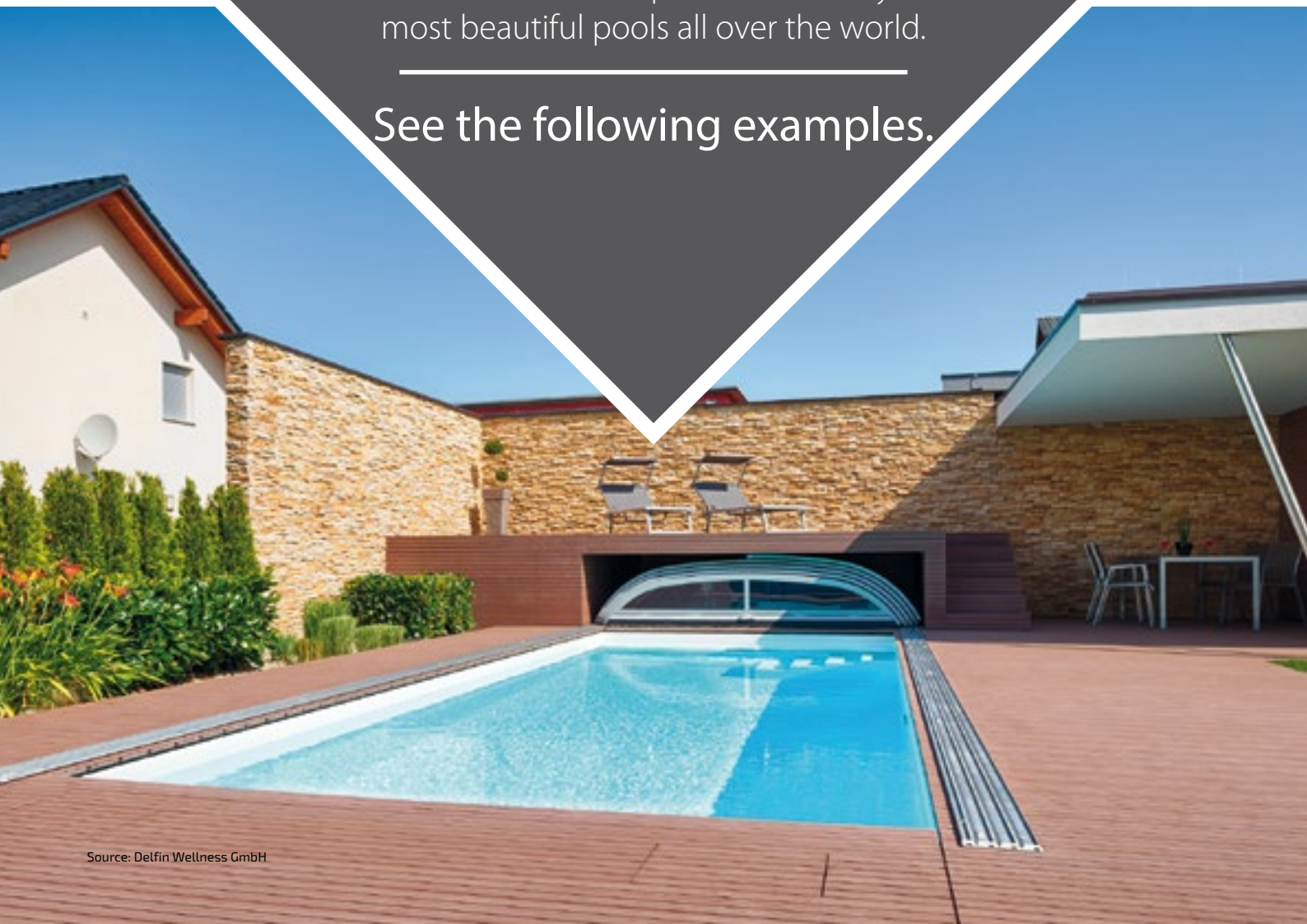


## Beautiful pools

Source: Delfin Wellness GmbH

Together with our partners, Chemoform AG and dinotec GmbH have implemented many of the most beautiful pools all over the world.

See the following examples.



Source: Delfin Wellness GmbH





**BADU Delta**

Circulation pump, self-priming  
Can be mounted above or below the water level (max. 3m in each case),

**A top model in every respect:**

Made of glass-fibre reinforced material for a very wide application range of 7-28 m³/h. These pumps meet the highest demands due to best quality and workmanship and a specially low noise level. The pumps are energy optimized and therefore specially efficient.

| Model          | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|----------------|----------------------|---------|----------------|---------------------------|-------------|---|
| BADU Delta 9W  | 9                    | 8       | 230 / 50       | 0.5                       | 0980-622-00 | D |
| BADU Delta 9D  | 9                    | 8       | 400 / 50       | 0.5                       | 0980-623-00 | D |
| BADU Delta 13W | 13                   | 8       | 230 / 50       | 0.69                      | 0980-626-00 | D |
| BADU Delta 13D | 13                   | 8       | 400 / 50       | 0.69                      | 0980-627-00 | D |
| BADU Delta 17W | 17                   | 8       | 230 / 50       | 0.87                      | 0980-628-00 | D |
| BADU Delta 17D | 17                   | 8       | 400 / 50       | 0.87                      | 0980-629-00 | D |
| BADU Delta 22W | 22                   | 8       | 230 / 50       | 1.1                       | 0980-630-00 | D |
| BADU Delta 22D | 22                   | 8       | 400 / 50       | 1.1                       | 0980-631-00 | D |
| BADU Delta 28W | 28                   | 8       | 230 / 50       | 1.4                       | 0980-632-00 | D |
| BADU Delta 28D | 28                   | 8       | 400 / 50       | 1.4                       | 0980-633-00 | D |



**BADU EcoSoft**

Circulation pump, self-priming  
An interface allows an external drive via time switch or a facility management system. This makes the EcoSoft the perfect partner for all dinotecNET+ systems. The rotation speed is adjusted via a control panel. There are 3 programmable operating points between 1000-2850 rpm, controlled via potential-free contacts.

**New, low-noise motor generation**  
Speeds: 1000–2850 rpm

| Model        | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|--------------|----------------------|---------|----------------|---------------------------|-------------|---|
| BADU EcoSoft | up to 20             | 8       | 230 / 50       | 0.08 - 1.05               | 0980-564-05 | D |

**BADU Prime Eco VS**



Circulation pump, self-priming  
This circulation pump combines the successful design of the BADU Prime model with a compact synchronous drive to provide a highly efficient powerhouse in space-saving design. A built-in control panel and easy to navigate menu ensure a simple handling of the power electronics.

- Operation with up to 3 pre-programmable operating points
- Control via potential-free contacts
- The perfect pump in combination with dinotecNET+ systems.

| Model             | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|-------------------|----------------------|---------|----------------|---------------------------|-------------|---|
| BADU Prime Eco VS | 22                   | 10      | 230 / 50       | 0.08 - 1.40               | 0980-571-05 | D |

**BADU Delta EcoVS**



Circulation pump, self-priming  
This circulation pump combines the successful design of the BADU Delta model with a compact synchronous drive to provide a highly efficient powerhouse in space-saving design. A built-in control panel and easy to navigate menu ensure a simple handling of the power electronics.

- Operation with up to 3 pre-programmable operating points
- Control via potential-free contacts
- Energy and noise optimized therefore specially efficient and silent
- The perfect pump in combination with dinotecNET+ systems.

| Model            | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|------------------|----------------------|---------|----------------|---------------------------|-------------|---|
| BADU Delta EcoVS | 31                   | 8       | 230 / 50       | 0.08 - 1.40               | 0980-634-00 | D |

**BADU EcoFlex**



Circulation pump, self-priming  
This circulation pump combines the successful design of the BADU Prime model with a compact synchronous drive to provide a highly efficient powerhouse in space-saving design. A built-in control panel and easy to navigate menu ensure a simple handling of the power electronics.

- Operation with up to 3 pre-programmable operating points with control via potential-free contacts
- 4 - 20 mA signal
- The perfect pump in combination with dinotecNET+ systems.

**NEW: particularly efficient permanent magnet motor.**

| Model        | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|--------------|----------------------|---------|----------------|---------------------------|-------------|---|
| BADU EcoFlex | 40                   | 7       | 230 / 50       | 0.25 - 2.60               | 0980-604-00 | D |

**BADU EasyFit EcoVS**



Circulation pump with maximum connection flexibility.  
No more time-consuming installations in existing filter systems. The BADU® EasyFit fits almost every unit, regardless of the manufacturer. Five different connection sets and variable pump feet ensure that the pump can take over the exact position of the old pump.

| Model              | Pump capacity (m³/h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.    |   |
|--------------------|----------------------|---------|----------------|---------------------------|-------------|---|
| BADU EasyFit EcoVS | 28                   | 8       | 230 / 50       | 0.03 - 1.40               | 0980-602-00 | D |

## DESCRIPTION

ART. NO.

**BADU Profi**

New motor generation for reduced energy consumption. Model BADU Profi ECO VS with speed-controlled motor, particularly energy efficient.

Note: Filter pumps of the BADU Profi series are sold only by certified Speck Pumps specialist companies (drop-shipping directly by the manufacturer).

- Exclusive Premium pump
- Self-priming
- Specially efficient and quiet
- Strainer with LED lighting in the transparent cover
- The perfect pump in combination with dinotecNET+ systems.

**Further BADU Profi pumps on request.**

| Model             | Pump capacity (m <sup>3</sup> /h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.           |   |
|-------------------|-----------------------------------|---------|----------------|---------------------------|--------------------|---|
| BADU Profi ECO VS | up to 35                          | 8       | 230 / 50       | 0.09 - 1.79               | <b>0980-578-00</b> | D |

**i** INFO**INFO ABOUT MATERIALS**

The pumps can be used for swimming pool water with a total salt concentration of up to 0.5% (equal to 5 g/l). Please inform us about your requirements in case of higher salt concentrations. We will prepare an individual offer for you in collaboration with Speck Pumps.

## DESCRIPTION

ART. NO.

**BADU RESORT**

Circulation pump, self-priming

Cost-effective pump for large plants. Lightweight with a lot of power. For wellness areas, hotel pools or special pools. Block pump made of plastics with integrated strainer, pool water circulation, can be mounted max. 3m above or below the water level.

| Model           | Pump capacity (m <sup>3</sup> /h) | At m/WC | Voltage (V/Hz) | Power consumption P1 (kW) | ART. NO.           |   |
|-----------------|-----------------------------------|---------|----------------|---------------------------|--------------------|---|
| BADU RESORT 30  | 32.5                              | 10      | 230/400 / 50   | 1.90                      | <b>0980-585-00</b> | D |
| BADU RESORT 40  | 40                                | 10      | 230/400 / 50   | 2.70                      | <b>0980-586-00</b> | D |
| BADU RESORT 45  | 46                                | 10      | 230/400 / 50   | 3.30                      | <b>0980-587-00</b> | D |
| BADU RESORT 50  | 50                                | 10      | 230/400 / 50   | 3.80                      | <b>0980-588-00</b> | D |
| BADU RESORT 55  | 55                                | 10      | 230/400 / 50   | 4.80                      | <b>0980-589-00</b> | D |
| BADU RESORT 60  | 50                                | 10      | 230/400 / 50   | 3.30                      | <b>0980-590-00</b> | D |
| BADU RESORT 70  | 65                                | 10      | 230/400 / 50   | 3.80                      | <b>0980-591-00</b> | D |
| BADU RESORT 80  | 80                                | 10      | 230/400 / 50   | 4.80                      | <b>0980-592-00</b> | D |
| BADU RESORT 110 | 110                               | 10      | 230/400 / 50   | 6.40                      | <b>0980-593-00</b> | D |

**i** INFO**ORIFICE METER**

You can achieve optimum operating results with the BADU RESORT when using it together with our intelligent dinotecNET+ systems and a frequency inverter.

## DESCRIPTION

ART. NO.

**ORIFICE METER**

- Flow rate measuring device (orifice flow meter) in PVC
- Delivery includes flange kit

| DN  | Measur. range m <sup>3</sup> / h | ART. NO.           |   |
|-----|----------------------------------|--------------------|---|
| 50  | 2 - 25                           | <b>0990-355-00</b> | C |
| 65  | 6 - 30                           | <b>0990-353-00</b> | C |
| 80  | 5 - 25                           | <b>0990-356-20</b> | C |
| 100 | 10 - 50                          | <b>0990-360-00</b> | C |
| 125 | 24 - 120                         | <b>0990-356-01</b> | C |
| 150 | 32 - 160                         | <b>0990-357-00</b> | C |
| 200 | 80 - 400                         | <b>0990-358-00</b> | C |